CONTENTS OF VOLUME 37

ORIGINAL ARTICLES

Roentgen Study of the Mucosa of the Colon	*Raymond Sarasin*	1
Directed Roentgenography of the Thorax (The Cardiocairograph)	*I. Seth Hirsch, M.D.*; *Myron Schwarzschild, M.A.*	13
Congenital or Infantile Dislocation of the Hips	*Edward C. Vogt, M.D.*	21
The Elimination of Intestinal Gas Shadows in Roentgenography: Preliminary Report on 1,000 Cases	*J. C. Kenning, M.D.*; *J. E. Lofstrom, M.D.*	28
Pancreatic Lithiasis: Report of Case	*S. Hoechstetter, B.S., M.D.*	33
Giant Cell Tumors of Bone: Experience with Surgical and Roentgen Treatments on a Material of Fifteen Cases	*Ernst Freund, M.D., F.A.C.S.*; *C. B. Meffert, M.D.*	36
Melanoma of the Lumbar Region without Apparent Skin Manifestation	*S. K. Livingston, M.D., F.A.C.S.*	46
The Treatment of Prostatic Carcinoma	*Benjamin S. Barringer, M.D., F.A.C.S.*	49
Sarcoma of the Soft Tissue	*Ira I. Kaplan, B.S., M.D.*; *Sidney Rubenfeld, B.S., M.D.*	53
The Dangers of Reducing Fractures under the Roentgenoscope and Methods of Protection against Them	*Clyde A. Stevenson, M.D.*; *Eugene T. Leddy, M.D.*	70
A Dosage System for Radium Therapy: Preliminary Report	*Burchard E. Wright, M.D.*	83
Lost and Found Radium	*Robert B. Taft, M.D., B.S., M.A., F.A.C.R.*	87
A Comparison of Paraffin and Water Phantoms for Roentgen-Ray Depth Dose Measurements	*Edith H. Quimby, M.A.*; *A. N. Arneson, M.D.*	93
Variations in the Intensity and Quality of Roentgen-Ray Output as Affected by the Angle to the Central Ray, the Roentgen Tube and the Roentgen Machine	*Clarence J. Zintheo, Jr., B.Sc.*	98
A Comparison of Oral Cholecystographic Findings and Proved Evidences of Gallbladder Disease	*Fred Jenner Hodges, M.D.*; *Isadore Lampe, M.D.*	145
Postoperative Visualization of the Biliary Tract	*C. E. Hufford, M.D.*	154
Roentgen Kymography Considered in Relation to Heart Output, and a New Heart Index	*Sydney E. Johnson*	167
A Roentgenologic Study of the Shifting of Blood in the Circulatory System of Experimental Animals under the Influence of Various Stimuli	*Cesare Gianturco, M.D., M.S.*; *F. R. Steggerda, Ph.D.*	175
Contralateral Bronchial Infection in Pulmonary Tuberculosis: A Study of 242 Cases	*Ching Wu, M.D.*; *B. H. Y. T'ang, M.D.*	180

Regional Ileitis: A Review of Fifty Cases	*Joseph Jellen, M.D.*	190
Traumatic Separation of the Lower Epiphysis of the Radius	*C. L. Gillies, M.D.*	202
Roentgen Diagnosis of Lipomata	*Frederic E. Templeton, M.D.*	210
Obstructive Emphysema and Atelectasis in Acute Respiratory Disease of Infants	*William Snow, M.D.* *Charles S. B. Cassasa, M.D.*	217
Roentgenologic Evidence of Rapidity of Growth in Gastric Carcinoma: Report of Case	*Meyer Golob, M.D.*	221
Protracted Irradiation by Radium	*Hayes E. Martin, M.D., F.A.C.S.* *William S. MacComb, M.D.*	224
Evaluation of Irradiation in the Treatment of Uterine Fibroids	*Curtis F. Burnam, M.D.*	234
A Modified Standard Ionization Chamber System	*Elmer Dershem, Ph.D.* *Leopold E. Rovner, M.S.* *S. Paul Perry, M.D.*	242
Protective Factors in the Preparation and Handling of Gold Implants and Other Radon Applicators	*Wilhelm Stenstrom, Ph.D.* *Carl E. Nurnberger, Ph.D.*	247
A Simple Technique for Intravaginal Roentgen Therapy	*E. A. Merritt, M.D.*	266
The Skeletal Changes in the Chronic Hemolytic Anemias (Erythroblastic Anemia, Sickle Cell Anemia and Chronic Hemolytic Icterus)	*John Caffey, M.D.*	293
The Roentgen Diagnosis of Neuroblastoma in Children	*E. L. Rypins, M.D.*	325
Diaphragmatic Hiatus Hernia	*Irving I. Cowan, M.D.*	333
The Influence of Extrabiliary Disease on the Function of the Gallbladder: A Cholecystographic Study	*C. Allen Good, Jr., M.D.* *B. R. Kirklin, M.D.*	346
The Treatment of Cancer in the Region of the Ear	*George E. Pfahler, M.D., Sc.D.* *Jacob H. Vastine, M.D.*	350
The Relative Importance of Histological Analysis in Tumor Therapy	*Ferdinand C. Helwig, M.D.*	358
Microscopic Grading of Tumors: Its Interpretation, Limitations, and Relation to Radiosensitivity	*Wm. Carpenter MacCarty, M.D.*	365
Radium Poisoning: II. The Quantitative Determination of the Radium Content and Radium Elimination Rate of Living Persons	*Robley D. Evans, Ph.D.*	368
Double Contrast Method in Roentgenography of the Gastrointestinal Tract	*M. H. Poppel, M.D.*	379
Unusual Congenital Anomalies: Report of a Case	*Maurice M. Pomeranz, M.D.*	382
Factors Influencing the Quantitative Measurement of the Roentgen-Ray Absorption of Tooth Slabs. VII. Sensitometric Factors	*Harold C. Hodge, Ph.D.* *Rex B. Wilsey, M.A.* *Grant Van Huysen, D.D.S.* *Stafford L. Warren, M.D.*	385

Apparatus for the Study of Opaque Media in the Spinal Canal	*Joseph C. Bell, M.D.*	416
Physiologic Considerations of Ileus	*Alton Ochsner, M.D.*	433
Periapical Empyema: Report of Three Cases with Necropsy Findings	*Friedrich G. Kautz* *Max Pinner*	446
Clinical and Roentgenological Study of Low Back Pain with Sciatic Radiation. A. Clinical Aspects	*Carl E. Badgley, M.D.*	454
Clinical and Roentgenological Study of Low Back Pain with Sciatic Radiation. B. Roentgenological Aspects	*Fred Jenner Hodges, M.D.* *Willis S. Peck, M.D.*	461
Visualization of Salivary Glands Following Use of Opaque Material in the Mouth	*William E. Anspach, M.D.* *F. W. Griffeth, M.D.*	469
Diaphragmatic Hernia	*A. S. Unger, M.D.* *M. H. Poppel, M.D.*	472
Roentgen Analysis of Cases of Ureteral Stone	*H. O. Peterson, M.D.* *G. W. Holmes, M.D.*	479
Discogenetic Disease of the Cervical Spine with Segmental Neuritis	*Albert Oppenheimer* *Edward L. Turner*	484
The Roentgenological Chest Volume for Estimating Vital Capacity	*Andrew L. Banyai, M.D.*	494
The Value and Limitation of the Oblique View as Compared with the Ordinary Anteroposterior Exposure of the Shoulder	*F. Liberson*	498
The Radiation Treatment of Hypertrophied Lymphoid Tissue of the Pharynx and Nasopharynx	*Robert J. Reeves, M.D.*	510
Radium Versus Roentgen Radiation in the Treatment of Benign Uterine Bleeding	*John W. Cathcart, M.D.*	513
The Use of Radium Element Seeds in the Treatment of Cancer	*George T. Pack* *Leslie R. Taber*	516
Comparison of the Effect of Various Filters in the 500 kv. Range	*K. E. Corrigan, Ph.D.*	520
Factors Influencing the Quantitative Measurement of the Roentgen-Ray Absorption of Tooth Slabs. VIII. Emulsion Factors	*Harold C. Hodge, Ph.D.* *Grant Van Huysen, D.D.S.* *Stafford L. Warren, M.D.*	529
An Immobilizing Device for Roentgenography of the Chest in Infants	*George M. Wyatt, M.D.*	557
Osteoporosis Circumscripta of the Skull and Paget's Disease: Fifteen New Cases and a Review of the Literature	*Haig H. Kasabach, M.D.* *Alexander B. Gutman, M.D.*	577
Roentgen Evidence of the Behavior of the Human Lung in Recent Tuberculous Infections	*Kenneth D. A. Allen, M.D.*	603
Diaphragmatic Hernia and Associated Conditions	*J. H. Marks, M.D.*	613
Roentgenologic Studies of the Liver and Spleen	*Charles L. Martin, E.E., M.D., F.A.C.R.*	633

Roentgen Pelvimetry and Fetometry	*Paul C. Hodges, M.D.*	644
Benign Giant Cell Tumor of a Rib: Report of a Case	*Lawrence, M. Hilt, M.D.*	663
Herniation of the Stomach into the Scrotum: Case Report	*Franz J. Lust, M.D.*	666
The Use of 200 to 600 Millicurie Radon Pack in Treatment of Malignant Lesions	*W. E. Howes, M.D.*	668
Therapeutic Use of Various Solutions of Radium Emanation: Preliminary Report	*Ira I. Kaplan, B.S., M.D.*	675
The Evaluation of Bone Density in the Roentgenogram by the Use of Ivory Wedges	*Irvin Stein, M.D.*	678
A New Applicator for Unfiltered Radon	*Ira I. Kaplan, B.Sc., M.D.*	702
Roentgenography of the Carpal Navicular Bone	*William Robert Stecher, M.D.*	704
Roentgen Kymography of the Respiratory Movements of the Thorax, Diaphragm, Lungs, Bronchi and Mediastinal Structures	*Wendell G. Scott, A.B., M.D.* *Sherwood Moore, M.D.*	721
Inflammatory Diverticula of the Pericardium (Encapsulated Pericardial Effusion)	*Eugene Freedman, M.D.*	733
The Roentgenological Diagnosis of Cardiac Compression Due to Pericardial Scar (Adhesive Pericarditis)	*Eugene Freedman, M.D.*	739
Obstruction at the Ureteropelvic Junction Due to Aberrant Blood Vessels	*Charles A. Waters, M.D.*	756
Roentgen Studies of the Shoulder	*Charles W. Blackett, M.D.* *Thomas R. Healy, M.D.*	760
Posterior Subacromial Dislocation of the Head of the Humerus	*Merthyn A. Thomas, M.D.*	767
Osteopathia Condensans Disseminata ("Spotted Bones")	*J. M. Lowrey, Surgeon* *J. H. R. Booth, A.A. Surgeon*	774
Non-Parasitic Cyst of the Spleen; With Special Reference to Roentgenological Aid in Diagnosis	*Marcus Ostro, M.D.* *Henry B. Makover, M.D.*	782
The "Phrygian Cap" Deformity of the Gallbladder	*William H. Meyer, M.D.* *R. Franklin Carter, M.D., F.A.C.S.* *L. H. Meeker, M.D.*	786
Care of the Cancer Patient	*E. E. Downs, M.D.* *Hoke Wammock, M.D.* *R. T. Artman, M.D.*	790
Changes in the Lungs and Pleura Following Irradiation of Extrathoracic Tumors	*C. K. Hsieh, M.D.* *H. T. Kimm, M.D.*	802
Spatial Distribution of Radiation from a Supervoltage Roentgen Tube and Its Significance in Therapy	*K. E. Corrigan, Ph.D.* *Benedict Cassen, Ph.D.*	811